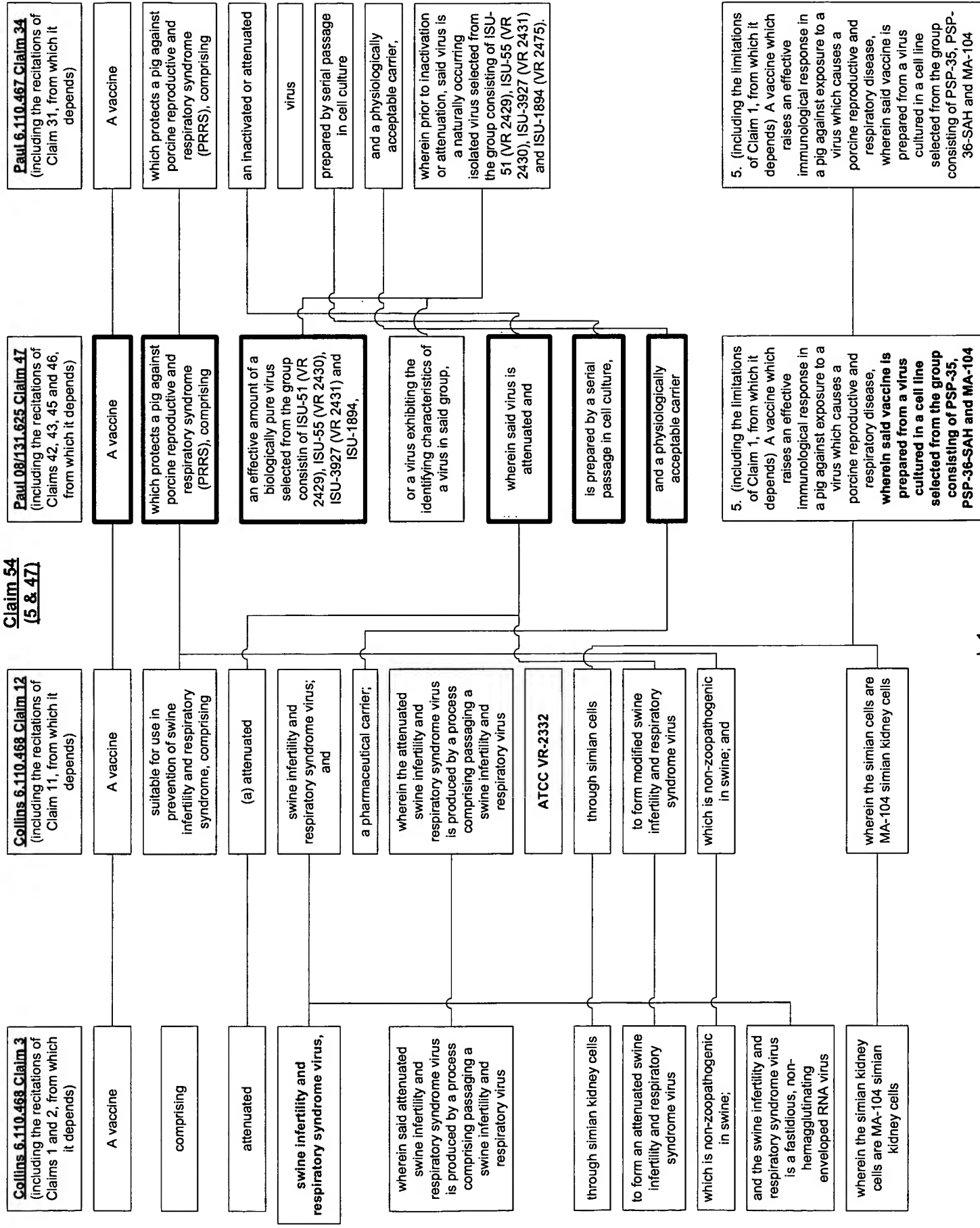


Claim 54
(5 & 47)



Collins 6.110.468 Claim 3
(including the recitations of Claims 1 and 2, from which it depends)

A vaccine

comprising

attenuated

swine infertility and respiratory syndrome virus,

wherein said attenuated swine infertility and respiratory syndrome virus is produced by a process comprising passing a swine infertility and respiratory virus

through simian kidney cells

to form an attenuated swine infertility and respiratory syndrome virus

which is non-zoopathogenic in swine;

and the swine infertility and respiratory syndrome virus is a fastidious, non-hemagglutinating enveloped RNA virus

wherein the simian kidney cells are MA-104 simian kidney cells

Collins 6.110.468 Claim 12
(including the recitations of Claim 11, from which it depends)

A vaccine

suitable for use in prevention of swine infertility and respiratory syndrome, comprising

(a) attenuated

swine infertility and respiratory syndrome virus; and

a pharmaceutical carrier;

wherein the attenuated swine infertility and respiratory syndrome virus is produced by a process comprising passing a swine infertility and respiratory virus

ATCC VR-2332

through simian cells

to form modified swine infertility and respiratory syndrome virus

which is non-zoopathogenic in swine; and

wherein the simian cells are MA-104 simian kidney cells

Claim 55 (5 & 47)

Paul 08/131,625 Claim 47
(including the recitations of Claims 42, 43, 45 and 46, from which it depends)

A vaccine

which protects a pig against porcine reproductive and respiratory syndrome (PRRS), comprising

an effective amount of a biologically pure virus selected from the group consisting of ISU-51 (VR 2429), ISU-55 (VR 2430), ISU-3927 (VR 2431) and ISU-1894, or a virus exhibiting the identifying characteristics of a virus in said group,

wherein said virus is attenuated and

is prepared by a serial passage in cell culture,

and a physiologically acceptable carrier

Paul 6.110.467 Claim 34
(including the recitations of Claim 31, from which it depends)

A vaccine

which protects a pig against porcine reproductive and respiratory syndrome (PRRS), comprising

an inactivated or attenuated

virus

prepared by serial passage in cell culture

and a physiologically acceptable carrier,

wherein prior to inactivation or attenuation, said virus is a naturally occurring isolated virus selected from the group consisting of ISU-51 (VR 2429), ISU-55 (VR 2430), ISU-3927 (VR 2431) and ISU-1894 (VR 2475).

5. (including the limitations of Claim 1, from which it depends) A vaccine which raises an effective immunological response in a pig against exposure to a virus which causes a porcine reproductive and respiratory disease, wherein said vaccine is prepared from a virus cultured in a cell line selected from the group consisting of PSP-35, PSP-36-SAH and MA-104

5. (including the limitations of Claim 1, from which it depends) A vaccine which raises an effective immunological response in a pig against exposure to a virus which causes a porcine reproductive and respiratory disease, wherein said vaccine is prepared from a virus cultured in a cell line selected from the group consisting of PSP-35, PSP-36-SAH and MA-104

Collins 6.110.468 Claim 3
(Including the recitations of Claims 1 and 2, from which it depends)

A vaccine

comprising

attenuated

swine infertility and respiratory syndrome virus,

wherein said attenuated swine infertility and respiratory syndrome virus is produced by a process comprising passing a swine infertility and respiratory virus

through simian kidney cells

to form an attenuated swine infertility and respiratory syndrome virus

which is non-zoopathogenic in swine;

and the swine infertility and respiratory syndrome virus is a fastidious, non-hemagglutinating enveloped RNA virus

wherein the simian kidney cells are MA-104 simian kidney cells

Collins 6.110.468 Claim 12
(Including the recitations of Claim 11, from which it depends)

A vaccine

suitable for use in prevention of swine infertility and respiratory syndrome, comprising

(a) attenuated

swine infertility and respiratory syndrome virus; and

a pharmaceutical carrier;

wherein the attenuated swine infertility and respiratory syndrome virus is produced by a process comprising passing a swine infertility and respiratory virus

ATCC VR-2332

through simian cells

to form modified swine infertility and respiratory syndrome virus

which is non-zoopathogenic in swine; and

wherein the simian cells are MA-104 simian kidney cells

Claim 56
[5 & 34]

Paul 08/131.625 Claim 47
(Including the recitations of Claims 42, 43, 45 and 46, from which it depends)

A vaccine

which protects a pig against porcine reproductive and respiratory syndrome (PRRS), comprising

an effective amount of a biologically pure virus selected from the group consisting of ISU-51 (VR 2429), ISU-55 (VR 2430), ISU-3927 (VR 2431) and ISU-1894, or a virus exhibiting the identifying characteristics of a virus in said group,

wherein said virus is attenuated and

is prepared by a serial passage in cell culture,

and a physiologically acceptable carrier

Paul 6.110.467 Claim 34
(Including the recitations of Claim 31, from which it depends)

A vaccine

which protects a pig against porcine reproductive and respiratory syndrome (PRRS), comprising

an inactivated or attenuated

virus

prepared by serial passage in cell culture

and a physiologically acceptable carrier,

wherein prior to inactivation or attenuation, said virus is a naturally occurring isolated virus selected from the group consisting of ISU-51 (VR 2429), ISU-55 (VR 2430), ISU-3927 (VR 2431) and ISU-1894 (VR 2475).

5. (including the limitations of Claim 1, from which it depends) A vaccine which raises an effective immunological response in a pig against exposure to a virus which causes a porcine reproductive and respiratory disease, wherein said vaccine is prepared from a virus cultured in a cell line selected from the group consisting of PSP-35, PSP-36-SAH and MA-104

5. (including the limitations of Claim 1, from which it depends) A vaccine which raises an effective immunological response in a pig against exposure to a virus which causes a porcine reproductive and respiratory disease, wherein said vaccine is prepared from a virus cultured in a cell line selected from the group consisting of PSP-35, PSP-36-SAH and MA-104